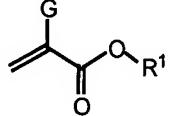


**WHAT IS CLAIMED IS:**

1. A (meth)acrylate composition comprising  
a (meth)acrylate component;  
and a dye substantially dissolved in said  
(meth)acrylate component which imparts a first color  
to said (meth)acrylate component, wherein upon curing,  
a resultant cured composition has a second color.

2. The composition of Claim 1, wherein upon  
curing, the resultant cured composition is substantially  
free of the first color.

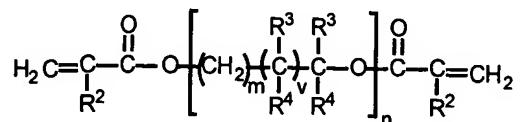
3. The composition of Claim 1, wherein said  
(meth)acrylate component comprises one or more members  
selected from the group consisting of  
a monomer represented by the formula:



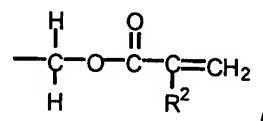
wherein G is hydrogen, halogen, or an alkyl having  
from 1 to 4 carbon atoms, R<sup>1</sup> has from 1 to 16 carbon  
atoms and is an alkyl, cycloalkyl, alkenyl,  
cycloalkenyl, alkaryl, aralkyl, or aryl group,  
optionally substituted or interrupted with silane,  
silicon, oxygen, halogen, carbonyl, hydroxyl, ester,  
carboxylic acid, urea, urethane, carbamate, amine,  
amide, sulfur, sulfonate, or sulfone;

a di- or tri- (meth)acrylate comprising  
polyethylene glycol di(meth)acrylates, bisphenol-A  
di(meth)acrylates, tetrahydrofuran di(meth)acrylates,  
hexanediol di(meth)acrylate, trimethylol propane  
tri(meth)acrylate, or combinations thereof; and

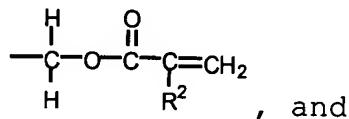
an acrylate ester represented by the formula:



wherein  $\text{R}^2$  is hydrogen, halogen, or an alkyl having about 1 to about 4 carbon atoms,  $\text{R}^3$  is hydrogen, an alkyl having about 1 to about 4 carbon atoms, hydroxyalkyl having about 1 to about 4 carbon atoms or

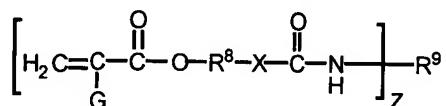


$\text{R}^4$  is hydrogen, hydroxy or



$\text{m}$  is 1 to 8,  $\text{n}$  is 1 to 20, and  $\text{v}$  is 0 or 1.

4. The composition of Claim 1, wherein said (meth)acrylate component comprises urethane acrylates or ureide acrylates represented by the formula:



wherein

$\text{G}$  is hydrogen, halogen, or an alkyl having from 1 to 4 carbon atoms;

$\text{R}^8$  denotes a divalent aliphatic, cycloaliphatic, aromatic, or araliphatic group, bound through a carbon atom or carbon atoms thereof indicated at the  $-\text{O}-$  atom and  $-\text{X}-$  atom or group;

$\text{X}$  is  $-\text{O}-$ ,  $-\text{NH}-$ , or  $-\text{N}(\text{alkyl})-$ , in which the alkyl radical has from 1 to 8 carbon atoms;

$\text{z}$  is 2 to 6; and

$R^9$  is a  $\alpha$ -valent cycloaliphatic, aromatic, or araliphatic group bound through a carbon atom or carbon atoms thereof to the one or more NH groups.

5. The composition of Claim 1, wherein said (meth)acrylate component comprises polyethylene glycol di(meth)acrylates, bisphenol-A di(meth)acrylates, tetrahydrofuran (meth)acrylates and di(meth)acrylates, citronellyl acrylate and citronellyl methacrylate, hydroxypropyl (meth)acrylate, hexanediol di(meth)acrylate, trimethylol propane tri(meth)acrylate, tetrahydronyclopentadienyl (meth)acrylate, ethoxylated trimethylol propane triacrylate, triethylene glycol acrylate, triethylene glycol methacrylate, and combinations thereof.

6. The composition of Claim 1, wherein said dye is a member selected from the group consisting of anthraquinone dyes, xanthene dyes, and combinations thereof.

7. The composition of Claim 6, wherein said xanthene dye comprises a fluoran dye selected from the group consisting of fluorescein, dibromofluorescein, diiodofluorescein, tetrabromofluorescein, tetrabromotetrachlorofluorescein, and combinations thereof.

8. The composition of Claim 1, wherein said dye is present in an amount of about 50 ppm to about 1000 ppm based on the amount of said (meth)acrylate component.

9. The composition of Claim 1, wherein said dye is present in an amount of about 100 to about 200 ppm based on the amount of said (meth)acrylate component.

10. The composition of Claim 1, wherein said dye comprises tetraiodofluorescein.

11. The composition of Claim 1, further comprising a member selected from the group consisting of stabilizers, accelerators, fillers, opacifiers, thickeners, viscosity modifiers, adhesion promoters, inhibitors, thixotropy conferring agents, tougheners, anti-oxidizing agents, anti-reducing agents, and combinations thereof.

12. An adhesive composition comprising the (meth)acrylate composition of Claim 1; and a member selected from the group consisting of stabilizers, accelerators, fillers, opacifiers, thickeners, viscosity modifiers, adhesion promoters, inhibitors, thixotropy conferring agents, tougheners, anti-oxidizing agents, anti-reducing agents, and combinations thereof.

13. The composition of Claim 12, wherein said dye is a member selected from the group consisting of fluorescein, dibromofluorescein, diiodofluorescein, tetrabromofluorescein, tetraiodofluorescein, tetrabromotetrachlorofluorescein, and combinations thereof.

14. The composition of Claim 12, wherein said dye comprises tetraiodofluorescein.

15. A method of making a cured composition comprising the steps of

providing the (meth)acrylate composition of Claim 1; and

curing the composition to form a cured composition having a second color.

16. The method of Claim 15, wherein prior to the step of curing the (meth)acrylate component, the (meth)acrylate component has a fluorescent first color.

17. The method of Claim 15, wherein after the step of curing the (meth)acrylate component, the cured

composition is substantially free of the first color and fluorescence.

18. The method of Claim 15, wherein the dye is a member selected from the group consisting of fluorescein, dibromofluorescein, diiodofluorescein, tetrabromofluorescein, tetraiodofluorescein, tetrabromotetrachlorofluorescein, and combinations thereof.

19. The method of Claim 15, wherein the step of curing comprises photocuring.

20. A method of detecting substantially full cure of an adhesive comprising the steps of  
    providing a first article and a second article;  
    providing, on a surface of the first article, the (meth)acrylate composition of Claim 1;  
    contacting a surface of the second article to the surface of the first article having the adhesive thereon;  
    exposing the first and second articles to cure conditions; and  
    detecting the absence of fluorescence of the adhesive.

21. The method of Claim 20, wherein in the step of providing a fluorescent adhesive comprising a (meth)acrylate component and a fluorescent dye, the dye is selected from the group consisting of fluorescein, dibromofluorescein, diiodofluorescein, tetrabromofluorescein, tetraiodofluorescein, tetrabromotetrachlorofluorescein, and combinations thereof.

22. The method of Claim 20, further including the step of detecting the absence of the first color after exposing the first and second articles to cure conditions.

23. A method of assembling and inspecting a series of articles having an adhesive bond line comprising the steps of

adhering two or more parts of an article together with the (meth)acrylate composition of Claim 1, wherein an adhesive bond line is formed between the parts of the article;

exposing the article to cure conditions; and detecting the absence of fluorescence of the (meth)acrylate composition at the bond lines as an indication of substantially full cure.

24. The method of Claim 23, wherein in the step of adhering two or more parts of an article together with a fluorescent adhesive, the fluorescent adhesive has a first color.

25. The method of Claim 24, further including the step of detecting the absence of the first color after exposing the article to adhesive cure conditions.

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